

WHAT IS CLAIMED IS :

1. A continuously variable transmission in the gear type comprising:
 - 5 a main shaft and an auxiliary shaft, each formed with a shaft grooves in the center and hollow parts at a side, control gears having power distribution elements, control casings having control levers, first to fourth ring gears having a transmission rate as
10 transmission varying elements,
first to fourth side gears attached to the ring gears, and first and second idle gears,
wherein a casing supports the main shaft, the auxiliary shaft and the first and second idle gears,
15 unidirectional clutches are respectively provided to gear lines at both sides of the main shaft and the auxiliary shaft.
 2. The transmission according to claim 1, wherein the grooves formed in the centers of the main shaft and the
20 auxiliary shafts are positioned on a same line with the control gear shafts which are orthogonal to the main shaft and the auxiliary shaft.
 3. The transmission according to claim 1, wherein the hollow parts of the main shaft and the auxiliary shaft

are provided with rack gears and pinion gears, the central parts of the main shaft and the auxiliary shaft are provided with control levers, and planetary gears, the control ring gears, linear gears, and planetary carriers are provided in the control gears.

4. The transmission according to claim 1, wherein the main shaft and the auxiliary shaft are engaged with first and third ring gears having gear rates representing a low speed and the first idle gears, and with the second and fourth ring gears having gear rate representing a high speed and the second idle gear at the other side, the first and third ring gears are engaged with the first and third side gears to be engaged with the control gears, and the second and fourth ring gears are engaged with the second and fourth side gears to be engaged with the control gears.